SONY

DCR-DVD408

DVD Handycam® Camcorder

NEW

▲ Step-up

4 Megapixel still capture in the DCR-DVD408 provides impressive clarity. While 5.1ch surround sound brings your videos to life. Images and video are directly recorded to DVD-R/-RW/+RW/+R DL media formats. And Smooth Slow Recording lets you slow down fast paced action and displays it at a slower frame rate.

▲ 2.1 Megapixel (Gross) ClearVid™ CMOS Sensor
1/3" ClearVid CMOS Sensor with 1430K (effective) pixels provides stunning detail and clarity with exceptional video (up to 530 lines of horizontal resolution) and still image performance. The Megapixel technology enhances your digital videos and digital still (3980K) photography performance.

— DVDFormat Video Recording
The DVD recording format delivers digital picture and sound quality comparable to that of MiniDV, but on DVD. Playback of the DVDs couldn't be simpler. After finalizing the disc in the camcorder, the disc can play back in most DVD Players, computers and even PlayStation® 2 and PlayStation 3 video game consoles[2] .

— DVD-R/RW/+RW/+R DL Compatible[6]
The DCR-DVD408 is compatible with a variety of DVD formats allowing the ease of use and simplicity found in DVD Media. With DVD+RW media there is not a need to finalize the disc (minimum recording required). Simply remove the disc and insert the media into a compatible DVD Player.

— 10X Optical/80X Digital Zoom
The optical zoom helps to bring the action close up from far away. In addition, the Digital Zoom interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.

▲ Professional Quality Carl Zeiss® Vario-Sonnar® T Lens
Carl Zeiss lenses have an advanced optical multi-layer coating for increased contrast. This results in vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones. The additional T coating on the lens further reduces unwanted glare and flare.

— Dolby® Digital 5.1ch Recording
The DCR-DVD408 will record in Dolby Digital 5.1ch surround sound with a built-in microphone. By recording in 5.1 channel surround sound you can now experience your home movies with active sounds coming from all directions. Enjoy your personal home movies the way you experienced them while recording.

▲ 2.7" Wide (16:9) Touch Panel Clear Photo Plus™ LCD (211K Pixels)[7]
The 2.7" Wide (16:9) LCD screen provides excellent viewing clarity with improved resolution. The high resolution 211K pixel LCD screen rotates up to 270 degrees for multiple viewing angles providing sharp, detailed images for monitoring or playback, and the widescreen format makes shooting in 16:9 mode and composing shots even easier.

▲ Smooth Slow Recording
By increasing the record rate from 60 fields per second (fps) to 240 fps for 3 seconds allowing you to capture 3 seconds of fast motion and play the video back in 12 seconds. This is great for analyzing a golf swing or a viewing a bird in flight. In addition, record an audio track to narrate what is being seen during the video.

— Memory Stick Duo™ Media Slot [5]
Capture still images up to 2304x1728 resolution, directly onto Memory Stick Duo™ Media for easy transfer to PCs for emailing, printing or sharing with other compatible Memory Stick® devices.

— Super SteadyShot® Picture Stabilization System
An advanced version of Sony's SteadyShot® system that controls an even higher range of shake and vibration frequencies, to achieve an even higher level of smoothness without degradation of video like some other image stabilization systems.

— On Screen Zoom and Record Buttons
For additional control of the camcorder, the DCR-DVD408 features Zoom and Record buttons on the frame of the LCD screen. This allows the user more flexibility when holding the camcorder, especially in overhead or low angle shots.

— USB 2.0 Interface[4]
USB 2.0 interface provides an easy way to connect your DVD Handycam Camcorder to the computer for fast transfer of video and still images to your computer for editing. The camcorder can also be used as an external DVD burner, convenient for making copies of your DVDs or burning edited movies.

— One Touch Wide Angle Shooting
Easily switch between 16:9 and 4:3 aspect ratios for shooting, with just the touch of a button.

— Progressive Shutter System
A mechanical shutter system that provides progressive scan performance while utilizing an interlaced scanning system. Digital still images will be sharp and clear with excellent definition.

— Active Interface Shoe
Provides a location directly on the camcorder to which one may add optional accessories while providing power and two-way communication with those accessories.

ADDITIONAL FEATURES

— Super NightShot® Infrared System
— InfoLITHIUM® Battery with AccuPower™ Meter System
— Manual Focus
— Scene Selection Modes
— Picture Effects
— Fader Effect(s)
— Battery Information
— Easy Handycam Button
— Multi Language Menu

DVD+ReWritable

ClearVid CMOS sensor

ZEISS

DOLBY DIGITAL 5.1 CREATOR

4.0 MEGA PIXELS STILL IMAGE RECORDING

Clear Photo LCD plus

WIDE LCD

Touch Panel

Dual Rec Movie & 2.3 Mega Still Image Rec

PictBridge

SONY

DCR-DVD408

DVD Handycam® Camcorder

Specifications

General

Imaging Device: 1/3" ClearVid™ CMOS Sensor

Pixel Gross: 2100K

Recording Media: 3" (8cm) DVD (DVD-R/DVD-RW/DVD+RW/DVD+R DL)[6] (sold separately)

Recording and Playback Times: Single Layer - HQ: up to 20 min., SP: up to 30 min., LP: up to 60 min.; Dual Layer - HQ: up to 35 min., SP: up to 55 min., LP: up to 110 min.

Video Actual: 1430K Pixels (16:9), 1080K Pixels (4:3)

Still Actual: 1490K Pixels (16:9), 1990K Pixels (4:3)

Audio

Recording Format: Dolby® Digital 5.1ch

Convenience

USB Streaming: N/A

SteadyShot® Image Stabilization: Yes (Electronic)

Accessory Shoe: Yes (Active Interface Shoe)

White Balance: Auto, Indoor, One-push, Outdoor

Memory Stick PRO™ Media Compatibility: Tested to support up to 4GB media capacity; does not support high speed transfer function; does not support Access Control security function.

Still Image Mode(s): JPEG

Minimum Illumination: 1.5 Lux (0 Lux with Super NightShot® Infrared System)

Convenience Features

Easy Operation: Yes

Multiple Language Display: Yes

Remote Control: Yes

Slide Show Mode: Yes

Titling: N/A

Light/Flash: N/A / Yes

Scene Mode(s): Beach, Candle, Fireworks, Landscape, Portrait, SpotLight, Sunrise & Sunset, Snow, Twilight and Twilight Portrait (Still Only)

Picture Effect(s): Monotone, Pastel and Sepia

Digital Picture Effect(s): Old Movie

PictBridge Compatible: Yes

Low Light Capability: Super NightShot®

Fader Effect(s): Black, White

SteadyShot® Image Stabilization: SteadyShot™

Video

Video Recording System: NTSC color, EIA standards

Analog-to-Digital Converter: N/A

Format(s) Supported: MPEG2 (SD)

Video Signal: NTSC color, EIA standards

Inputs and Outputs

Analog Audio/Video Input(s): N/A

Analog Audio/Video Output(s): Yes (Multi A/V)

Digital Audio/Video Input(s): Yes (via USB)

Digital Audio/Video Output(s): Yes (via USB)

USB Port(s): Yes (2.0 compliant)[4]

i.LINK® Interface: N/A

Component Video (Y/Pb/Pr) Output(s): N/A

Headphone Jack: N/A

Microphone Input: Yes (thru Active Interface Shoe)

Remote Jack: Yes (Mini Plug)

S-Video Input(s): N/A

S-Video Output(s): Yes (optional accessory)

HDMI™ Connection Output(s): N/A

Display

LCD Screen: 2.7" (211K Pixels)[7] Wide (16:9) Touch Panel - Clear Photo LCD Plus™

Hardware

Viewfinder: Wide (16:9), Color (123K Pixels)

Docking Station: N/A

Microphone: Yes (Built-in 5.1ch)

Optics/Lens

35mm Equivalent: 41.3-485 (16:9 Camera Mode), 50.5-594mm (4:3 Camera Mode), 40.4-404mm (16:9 Memory Mode), 37-370mm (4:3 Memory Mode)

Aperture: f1.8-2.9

Exposure: Touch Panel (24 steps)

Filter Diameter: 37mm

Focal Distance: 5.1-51mm

Focus: Full Range Auto, Manual (Touch Panel)

Progressive Shutter Mode: Yes

Shutter Speed: Auto, 1/2-1/500(Scene Selection)

Optical Zoom: 10X

Digital Zoom: 80X

Resolution: 2MP

Lens Type: Carl Zeiss® Vario-Sonnar® T

Power

Power Consumption: 4.0W/4.2W (LCD/VF)

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)

Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

Service and Warranty Information

Limited Warranty Term: 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional

Supplied Software: Picture Motion Browser ver. 2.0

Dimensions

Weight: 1 lb 4 oz (570g) with DVD Media and supplied battery

Measurements: 2 7/8" x 3 1/2" x 5 5/8" (70 x 87 x 145mm)

Supplied Accessories

Power Adapter/In-Camera Charger (AC-L200)

InfoLITHIUM® Rechargeable Battery (NP-FH60)

Remote Commander® Remote Control (RMT-835)

A/V Cable (Stereo)

USB Cable

Enjoy Handycam Video

Optional Accessories

Wireless Bluetooth® Microphone with Center Channel Capability (ECM-HW1)

High Grade A/V Cable with S-Video (VMC-30FS)

UPC Code: 027242701731

BATTERY LIFE[1]

Battery[1] (Fully charged)	Continuous Record Time VF/LCD/LCD BckIt Off/VF+LCD	Continuous Playback Time LCD On/Off
NP-FH50	80/75/80/70 min	110/120 min
NP-FH60	105/100/105/95 min	145/160 min
NP-FH70	170/160/170/150 min	235/255 min
NP-FH100	395/375/395/355 min	545/590 min

STILL IMAGE MODE[3]

Fine/Standard Picture Quality

Memory Stick Duo™ Media[6]	2304x1728 4.0MP	2304x1296 3.0MP (Wide)	2016x1134 2.3MP (Wide)	1600x1200 1.9MP	1512x1134 1.7MP	640x480 VGA
64MB	32/81	42/105	56/135	65/160	72/175	390/980
128MB	64/160	85/215	110/280	130/325	145/355	780/1970
Memory Stick PRO Duo™ Media[5]						
256MB	115/295	150/395	200/500	235/590	260/640	1400/3550
512MB	235/600	310/800	410/1000	480/1200	530/1300	2850/7200
1GB	480/1200	640/1600	840/2100	980/2450	1050/2650	5900/14500
2GB	990/2500	1300/3350	1700/4300	2000/5000	2200/5500	12000/30000
4GB	1950/4900	2600/6600	3400/8500	3950/9500	4400/10500	23500/59000

1. Actual battery life may vary based on product settings, usage patterns and environmental conditions. Designed for use with compatible Sony InfoLITHIUM® batteries.
2. Playback on all home DVD players, computers, DVD drives, and PlayStation® 2 and PlayStation 3 consoles cannot be guaranteed. Some players drives, and video game consoles lack the ability to read due to the optical reflection standard of DVD-R/RW disks and/or due to encoding incompatibilities. Refer to the specifications of your playback equipment for additional compatibility information.
3. Image size and files size may vary based upon the type and complexity of the image recorded.
4. Not all products with USB 2.0 connector may communicate with each other due to chipset variations.
5. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940, 2GB=1.85GB, 4GB=3.66GB.
6. Use of Sony DVD-R/-RW/ RW/ R DL Media recommended. For third party media, confirm compatibility with manufacturer.
7. Viewable area measured diagonally.

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Screen Images Simulated

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